Title (en)
  NETWORK FAILURE ANALYSIS METHOD AND APPARATUS

Title (de)
  VERFAHREN UND VORRICHTUNG ZUR ANALYSE VON NETZWERKFEHLERN

Title (fr)
  PROCÉDÉ ET APPAREIL D'ANALYSE DE DÉFAILLANCE DE RÉSEAU

Publication
  EP 3787233 A4 20210623 (EN)

Application
  EP 19811179 A 20190515

Priority
  • CN 201810526345 A 20180529
  • CN 2019087100 W 20190515

Abstract (en)
  [origin: EP3787233A1] This application provides a network fault analysis method and apparatus, to perform fault analysis on a network element device based on an NF service. The method includes the following steps: A fault detection network element obtains log data that is generated by a to-be-detected network element in past specified duration. After obtaining the log data, the fault detection network element determines, based on the obtained log data, a log feature corresponding to the log data, and searches, in a fault relational database, for a fault type corresponding to the log feature. After detecting the fault type, the fault detection network element sends the found fault type to a policy control network element, so that the policy control network element can determine a corresponding recovery measure based on the fault type, and the to-be-detected network element can process, by using the recovery measure, a fault that occurs.

IPC 8 full level
  H04L 12/24 (2006.01)

CPC (source: CN EP US)
  H04L 41/0631 (2013.01 - CN US); **H04L 41/0654** (2013.01 - CN EP); **H04L 41/0661** (2023.05 - US); **H04L 41/0677** (2013.01 - EP US);
  H04L 41/069 (2013.01 - CN EP US); **H04L 41/0894** (2022.05 - EP); **H04L 41/147** (2013.01 - CN EP); H04L 41/12 (2013.01 - US);
  H04L 41/142 (2013.01 - EP)

Citation (search report)
  • [XI] US 6353902 B1 20020305 - KULATUNGE ANURUDHA [US], et al
  • [XI] WO 2011106971 A1 20110909 - ZTE CORP [CN], et al
  • See references of WO 2019228190A1

Designated contracting state (EPC)
  AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
  BA ME

DOCDB simple family (publication)
  EP 3787233 A1 20210303; **EP 3787233 A4 20210623**; CN 110545195 A 20191206; US 2021083925 A1 20210318;
  WO 2019228190 A1 20191205

DOCDB simple family (application)
  EP 19811179 A 20190515; CN 201810526345 A 20180529; CN 2019087100 W 20190515; US 202017105229 A 20201125